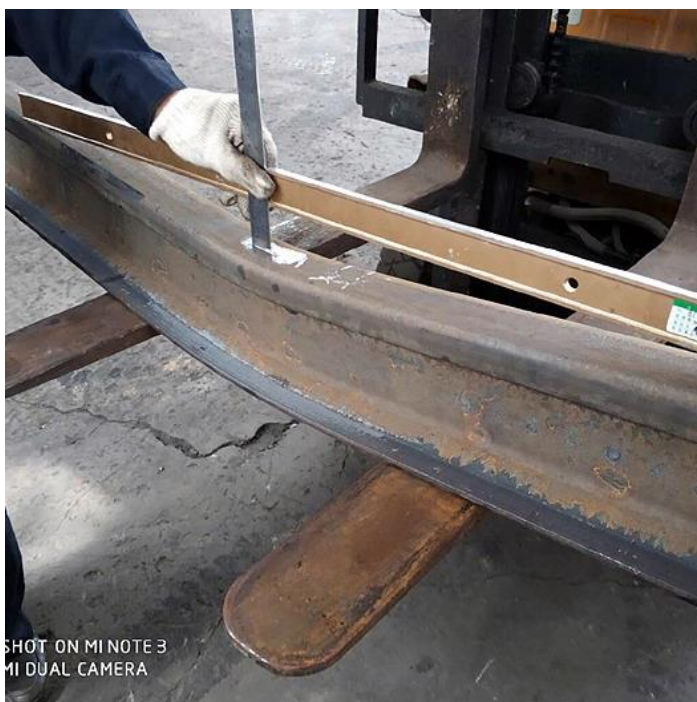
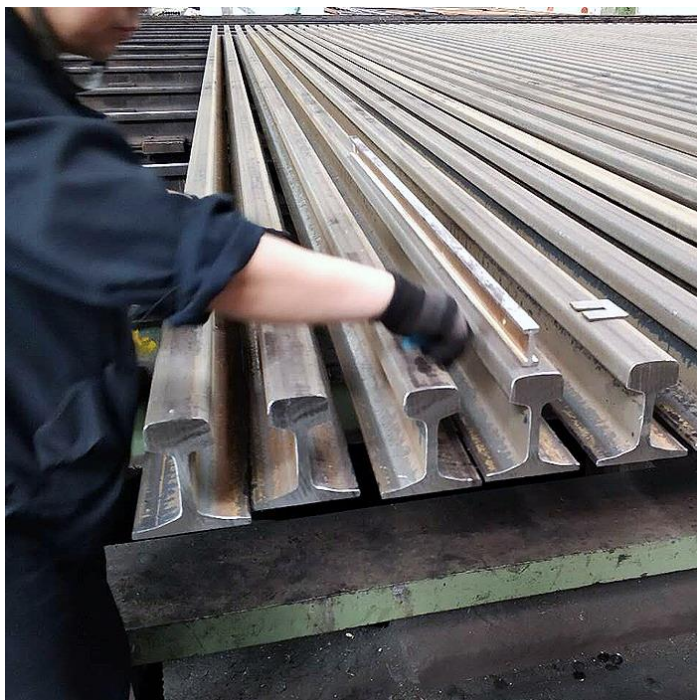


上海越启实业有限公司

SHANGHAI YUEQI INDUSTRIAL CO., LTD

Third-party (Lloyd's Register) Strict Inspection





检测中心钢轨在线探伤报告书
JL/03007 GC-08 09

作业线: 2018年7月8日 20时至 8时

规格: BS90A 材质: 900A 编号: 201807003

报告时间: 2018年7月8日 20时至 8时

报告标准(判伤依据): TB/T 2344-2012

操作调整检测负责人: 张可夫

班组长: 张可夫 调整人员: 张可夫 仪表检测人员: 张可夫

仪器型号: TYCS-11

序号	小票编号	炉罐号	该号总数	探伤支数	伤轨支数	备注
1	202	1804181	25	19	2	
底坯号	402 103 502 605 602	201 301 201 304 102				
2	204	1804184	24	24		
底坯号	204 103 504 204 305 305 203 605 106 202 302 102 104	604 503 403 304 103 205 603 303 602 402 102				

说明:

报告签发人: 张可夫
探伤合格盖章: [Red Stamp]

检测中心钢轨在线探伤报告书
JL/03007 GC-08 09

作业线: 2018年7月8日 8时至 20时

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仪器型号: TYCS-11

序号	小票编号	炉罐号	该号总数	探伤支数	伤轨支数	备注
1	201	1804187	42	39	3	1支中伤
底坯号	204 304 404 404 203 203 201 202 402 501 301 601 602 602 607 207 604 404 404 404 302	402 602 405 605 205 103 204 205 604 606 101 105 106 107 206 306 500 207 407 502				
2	202	1804188	30	30		
底坯号	204 403 503 601 602 605 402 302 502 604 105 405 405 405 402 201 204 301 604 606	601 101 202 302 206 405 203 103 201 101 104 105				

说明:

报告签发人: 张可夫
探伤合格盖章: [Red Stamp]

Inspection Certificates & Certificate 3.1:

Certificate no: CEN1818093/01
Page 1 of 2



Inspection Certificate

Project: /

Client: Shanghai Yueqi Industrial Co., Ltd.

Office: Shanghai

Client's Order Number: LR RFS No.:CEN/LQ/Q18-0536 Rev.2 Dated: 10 July. 2018

Date: 18 July 2018

Order Status: Complete

Inspection Dates

First: 09 July 2018

Final: 12 July 2018


This certificate is issued to Shanghai Yueqi Industrial Co., Ltd. to certify that the undersigned inspector did at their request attend Baotou Steel Unit Co., Ltd at ,Liuhao Road Kundulun District, Baotou City,,Neimenggu Province, P.R. China for carrying out inspections of the following Steel rails to the scope of inspection mentioned below.

1. Description of goods:

Steel Rail: BS90A RAIL WITHOUT HOLES, MATERIAL: 900A, LENGTH: 12M ;
Quantity: 924 Pieces, 500.07T
Specification: UIC 860:2008
Proforma invoice No. for this PO.: DS201805211840 Dated: 01 June 2018

Item	Heat No.	Rail Section No.	Material	Length(MM)	Qty (pieces)
1	18804584	BS90A	900A	12,000	152
2	18804585	BS90A	900A	12,000	198
3	18804586	BS90A	900A	12,000	271
4	18804587	BS90A	900A	12,000	303
Total					924

2. Scope of inspection:

- Review raw material(Heat Analysis) test certificate;
- Review NDE records ;
- Review visual, dimensional and marking examination record ;
- Selection and identify of test samples for chemical , mechanical , falling weight test, macroscopic test, Brinell hardness test ;
- Witness chemical test ;
- Witness mechanical test ;
- Witness falling weight test ;
- Witness macroscopic examination ;
- Witness Brinell hardness test ;
- Witness visual, dimensional and marking examination 10% min randomly ;
- Validate and endorse the manufacturer certificates(Certificates No.: 180717R0015, 180717R0016, 180717R0017, 180717R0018, 180717R0019, 180717R0020, 180717R0021, 180717R0022);
- LR's inspector stamp"  " have stamped on the table of each end of steel rail.

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Form 1123 (2017.07)

上海越启实业有限公司

SHANGHAI YUEQI INDUSTRIAL CO., LTD

Certificate no: CEN1818093/01
Page 2 of 2

3. Conclusion:

On the basis of scope of inspection undertaken, the materials have been found to comply with the requirements of the order and relevant specification.



HAIWEN GAO
Inspector to Lloyd's Register Industrial Technical Services (Shanghai) Co.,
Ltd.

a member of the Lloyd's Register group.

Form 1123 (2017.07)



包钢集团
Baotou Steel Union Co., Ltd.

内蒙古包钢钢铁股份有限公司
Inner Mongolia Baotou steel Union Co., Ltd.
生产单位: 内蒙古包钢钢铁股份有限公司
PRODUCTOR: BEAM RAIL PLANT OF INNER MONGOLIA BAOTOU STEEL UNION CO., LTD.

产品质量证明书 INSPECTION CERTIFICATE

地址: 中国 包头 昆区
ADDRESS: NUN DISTRICT BAOTOU P.R.C
邮编: 014010
POST CODE: 014010
防伪验证码: http://ce.bsteel.com
号码 (NO): LU03007 GC-07 02

订货单位 CUSTOMER	包钢集团国际经济贸易有限公司	牌号 GRADE	900A	品名 PRODUCT	出口线 (热轧)
收货单位 PURCHASER	天津港第一港埠有限公司	合同号 CONTRACT NO.	QA118070006	签发日期 DATE OF ISSUE	20180717
到站 DESTINATION	新港	许可证号 LICENCE NO.		发货日期 DATE OF DELIVERY	20180714
规格 DIMENSION	B590A	理论重量 SPECIFICATION	45.099kg	证明书编号 CERTIFICATE NO.	180717R0015
				标准 SPECIFICATION	UIC 860-2008 : 900A



项次 ITEM NO.	轧制序号 LOT NO.	炉号 HEAT NO.	米长 Length	数量 QTY	重量 WEIGHT	化学成分 %										拉伸试验 G1=50			硬度试验			E01 显微组织			备注 REMARKS	
						C	Si	Mn	P	S	N	O	H	*A01 屈服 强度	*A02 抗拉 强度	*A03 伸长 率	*D01 硬度 试验	*D01 硬度 试验	*D01 硬度 试验	*D02 硬度 试验	*D02 硬度 试验	*D02 硬度 试验	mm	mm		mm
001	1R18070003004	18804584	12.008	33	17.853	72	33	117	15	14.45.00	9.00	1.40			981	11.5	278	280	283	280	271	278	0.5	33	1.5	
001	1R18070003003	18804585	12.008	58	31.378	73	34	116	15	16.45.00	9.00	1.50		982	11.5	272	276	281	278	276	277	0.5	33	1.5		
001	1R18070003002	18804586	12.008	4	2.164	74	34	115	10	9.05.00	9.00	0.30		978	11.0	273	276	272	274	278	275	0.5	33	1.5		
001	1R18070003001	18804587	12.000	15	8.115	72	34	114	21	8.45.00	9.00	1.80		976	11.0	282	280	281	279	279	280	0.5	33	1.5		
TOTAL:				110	59.510																					

注释 Notes	<p>*A01-屈服强度 Yield Strength</p> <p>*A02-抗拉强度</p> <p>*A03-伸长率</p> <p>A2= A50mm</p> <p>*D01-硬度试验单位 Hardness Test A</p>	<p>BA=布氏硬度 HBW 10/3000</p> <p>*D01-硬度试验单位 Hardness Test B</p> <p>*D02-硬度试验单位 Hardness Test C</p> <p>*E01-显微组织</p>	<p>*E19-有效脱碳层深度</p> <p>*R03-洛氏硬度</p> <p>*J01-碳化物 A</p>
CE	<p>1、货到10天之内按标准验收, 发现与合同规定的品种、规格、长度、技术条件及供方提供的支数、重量不符时, 应在15天内以书面形式向供方提出质量异议, 并附检验报告。</p> <p>2、品质证明书影本不作有效证明文件。The copy of this Certificate is invalid except stamped.</p> <p>3、用户验收后使用, 如有异议应详细告知其牌号、炉号, 并保留实物及标志。 Please inform us the steel grade and the heat number of under qualified material(s) found in inspection on time, and keep the material(s) and the marking card.</p>	<p>尺寸合格, 外形合格, 表面质量合格, 探伤合格, 煮渣合格。</p>	<p>Lloyd's Register Industrial Technical Services (Shanghai) Co., Ltd. Initials: HWG</p> <p>CE/18/8093 18 July 2018</p>

20180718-161107

上海越启实业有限公司
SHANGHAI YUEQI INDUSTRIAL CO., LTD

SGS Inspection

